

Title (en)

DUAL-CHANNEL INJECTION BIPOLAR HIGH FREQUENCY ELECTROSURGICAL KNIFE

Title (de)

ELEKTROCHIRURGISCHES BIPOLARES HOCHFREQUENZ-SKALPELL MIT ZWEIKANALIGER INJEKTION

Title (fr)

COUTEAU ÉLECTROCHIRURGICAL À HAUTE FRÉQUENCE BIPOLAIRE À INJECTION EN DOUBLE CANAL

Publication

EP 3761894 A1 20210113 (EN)

Application

EP 18908663 A 20180907

Priority

- CN 201810184576 A 20180307
- CN 2018104476 W 20180907

Abstract (en)

[origin: WO2019169843A1] Dual-channel injection bipolar high frequency electrosurgical knife comprises an electrode part (10), a main part (20) and an operation part (30). The electrode part (10) comprises an active electrode (11), an insulating part (12) and an inert electrode (13). The active electrode (11) has a hollow tubular portion (111), which can cut the target lesion tissue (40) when power on. The main part (20) comprises a protective tube (24), an insulation sheath (25) and an insulation coated screw (23), connector (21), seal (22). The insulation coated screw (23) includes a conductive screw and an insulating coating on the surface. The operation part (30) comprises a positioning structure (36), a slider (33), a core rod (31), a connection sheath (32), an infusion tube (35) and a connection cable (34). 6% Luer tapers (351, 361) are attached to both the positioning structure (36) and the infusion tube (35). Liquid can flow out from the dual-channel, a solution can be injected in submucosal layer to elevate the mucous membrane tissue or clean hemorrhage site (50).

IPC 8 full level

A61B 18/12 (2006.01); **A61B 18/14** (2006.01)

CPC (source: CN EP KR US)

A61B 17/3478 (2013.01 - KR); **A61B 18/12** (2013.01 - CN); **A61B 18/14** (2013.01 - CN US); **A61B 18/1492** (2013.01 - EP KR); **A61M 5/1407** (2013.01 - US); **A61M 5/19** (2013.01 - US); **A61B 2017/00269** (2013.01 - KR); **A61B 2018/00083** (2013.01 - KR US); **A61B 2018/0013** (2013.01 - KR); **A61B 2018/00148** (2013.01 - KR US); **A61B 2018/00577** (2013.01 - CN KR); **A61B 2018/00601** (2013.01 - EP KR US); **A61B 2018/00982** (2013.01 - EP KR); **A61B 2018/126** (2013.01 - CN EP KR US); **A61B 2018/1412** (2013.01 - EP KR US); **A61B 2018/1417** (2013.01 - EP KR); **A61B 2018/1475** (2013.01 - EP KR US); **A61B 2018/162** (2013.01 - EP); **A61B 2218/002** (2013.01 - CN EP KR)

Designated contracting state (EPC)

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BA ME

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